

**IN THE ABSTRACT:**

Please delete the Abstract and replace it with:

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"An oxidation dye composition for keratin fibres and in particular for human keratin fibres such as the hair, comprising, in a medium suitable for dyeing, at least one oxidation dye precursor and optionally one or more couplers, characterized in that it also comprises a nonionic amphiphilic polymer containing at least one fatty chain and at least one hydrophilic unit, and, therefore the invention also relates to the processes and dyeing devices using the said oxidation dye composition."

**IN THE CLAIMS:**

Please cancel claim 1 without prejudice to or disclaimer of the subject matter contained therein.

Please add new claims 30-71 as follows:

--30. A composition for the oxidation dyeing of keratin fibres comprising:

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- at least one oxidation dye precursor, and
  - at least one nonionic amphiphilic polymer comprising at least one fatty chain

and at least one hydrophilic unit, said at least one nonionic amphiphilic polymer being chosen from:

- (1) celluloses modified with groups containing at least one fatty chain, and
- (2) hydroxypropyl guar modified with groups containing at least one fatty chain.

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31. A composition according to Claim 30, wherein said keratin fibres are human keratin fibres, and wherein said composition further contains a medium suitable for dyeing.

32. A composition according to Claim 31, wherein said human keratin fibres are hair.

33. A composition according to Claim 32, wherein said celluloses are hydroxyethyl celluloses modified with groups containing at least one group chosen from alkyl, arylalkyl, and alkylaryl.

34. A composition according to Claim 33, wherein said hydroxyethyl celluloses contain at least one C<sub>8</sub>-C<sub>22</sub> alkyl group.

35. A composition according to Claim 32, wherein said celluloses contain at least one polyalkylene glycol alkyl phenyl ether group.

36. A composition according to Claim 32, wherein said celluloses contain at least one polyalkylene glycol alkylphenyl ether group.

37. A composition according to Claim 32, wherein said at least one oxidation dye precursor is chosen from ortho- and para- phenylenediamines, bis(phenyl)alkylenediamines, ortho- and para- aminophenols, heterocyclic bases, and acid addition salts thereof.

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38. A composition according to Claim 32, wherein said at least one oxidation dye precursor is present in concentrations ranging from 0.0005 to 12% by weight relative to the total weight of the composition.

39. A composition according to Claim 30, wherein said composition further contains at least one coupler.

40. A composition according to Claim 39, wherein said at least one coupler is chosen from meta-phenylenediamines, meta-aminophenols, metadiphenols, heterocyclic couplers, and acid addition salts thereof.

41. A composition according to Claim 40, wherein said at least one coupler is present in concentrations ranging from 0.0001 to 10% by weight relative to the total weight of the composition.

42. A composition according to Claim 40, wherein said acid addition salts are chosen from hydrochlorides, hydrobromides, sulphates, tartrates, lactates, and acetates.

43. A composition according to Claim 37, wherein said acid addition salts are chosen from hydrochlorides, hydrobromides, sulphates, tartrates, lactates, and acetates.

44. A composition according to Claim 31, wherein said composition further comprises at least one direct dye.

45. A composition according to Claim 31, wherein said composition further

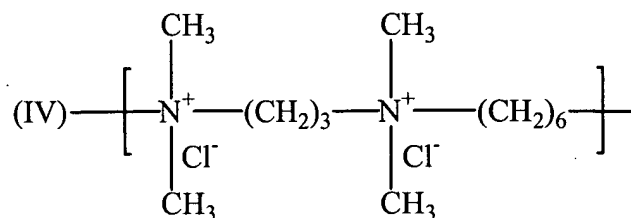
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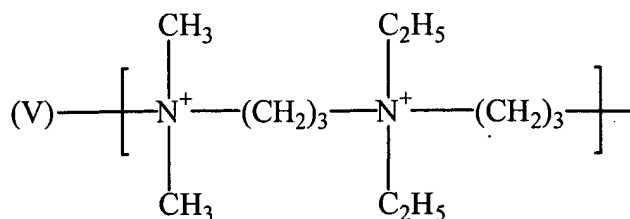
comprises at least one additional polymer chosen from cationic and amphoteric substantive polymers.

46. A composition according to Claim 45, wherein said at least one additional polymer is a quaternary polyammonium polymer comprising repeating units corresponding to formula (IV) below:



and wherein the molecular weight of said at least one additional polymer, determined by gel chromatography, ranges from 9500 to 9900.

47. A composition according to Claim 45, wherein said at least one additional polymer is a quaternary polyammonium polymer comprising repeating units corresponding to formula (V) below:



and wherein the molecular weight of said at least one additional polymer, determined by gel chromatography, is about 1200.

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48. A composition according to Claim 31, wherein said composition further comprises at least one reducing agent which is present in an amount ranging from 0.05 to 3% by weight relative to the total weight of the composition.

49. A composition according to Claim 31, wherein said composition further comprises an oxidizing agent.

50. A composition according to Claim 49, wherein said composition has a pH ranging from 4 to 11.

51. A composition according to Claim 49, wherein said oxidizing agent is chosen from hydrogen peroxide, urea peroxide, alkali metal bromates and ferricyanides, and persalts.

52. A composition according to Claim 51, wherein said oxidizing agent is an aqueous hydrogen peroxide solution having a titre ranging from 2.5 to 40 volumes.

53. A composition according to Claim 52, wherein said at least one nonionic amphiphilic polymer is present in an amount ranging from 0.05 to 10% by weight relative to the total weight of the composition.

54. A composition according to Claim 53, wherein said at least one nonionic amphiphilic polymer is present in an amount ranging from 0.2 to 5% by weight relative to the total weight of the composition.

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55. A process for the oxidation dyeing of keratin fibres comprising the steps of:

applying to said fibres a composition for the oxidation dyeing of keratin fibres comprising:

- at least one oxidation dye precursor, and  
- at least one nonionic amphiphilic polymer comprising at least one fatty chain and at least one hydrophilic unit, said at least one nonionic amphiphilic polymer being chosen from:

- (1) celluloses modified with groups containing at least one fatty chain, and  
(2) hydroxypropyl guar modified with groups containing at least one fatty chain;  
and

applying an oxidizing agent to said fibres in alkaline, neutral or acidic medium to develop color.

56. A process according to Claim 55, wherein said keratin fibres are human keratin fibres.

57. A process according to Claim 56, wherein said human keratin fibres are hair.

58. A composition for the oxidation dyeing of keratin fibres comprising:

- a dye composition comprising:

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-- at least one oxidation dye precursor, and

-- at least one nonionic amphiphilic polymer comprising at least one fatty chain and at least one hydrophilic unit, said at least one nonionic amphiphilic polymer being chosen from:

(1) celluloses modified with groups containing at least one fatty chain, and

(2) hydroxypropyl guar modified with groups containing at least one fatty chain; and

- an oxidizing composition comprising an oxidizing agent, wherein said oxidizing composition does not contain any of said nonionic amphiphilic polymer.

59. A composition for the oxidation dyeing of keratin fibres comprising:

- dye composition comprising:

-- at least one oxidation dye precursor, and

-- at least one nonionic amphiphilic polymer comprising at least one fatty chain and at least one hydrophilic unit, said at least one nonionic amphiphilic polymer being chosen from:

(1) celluloses modified with groups containing at least one fatty chain, and

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(2) hydroxypropyl guar modified with groups containing at least one fatty chain; and

- an oxidizing composition comprising an oxidizing agent, wherein said oxidizing composition further comprises at least one nonionic amphiphilic polymer comprising at least one fatty chain and at least one hydrophilic unit, said at least one nonionic amphiphilic polymer being chosen from:

(1) celluloses modified with groups containing at least one fatty chain, and

(2) hydroxypropyl guar modified with groups containing at least one fatty chain.

60. A process for the oxidation dyeing of keratin fibres comprising the steps of:

-applying to said fibres at least one composition comprising, in a medium which is suitable for dyeing:

- at least one oxidation dye precursor, and

- at least one nonionic amphiphilic polymer comprising at least one fatty chain and at least one hydrophilic unit, said at least one nonionic amphiphilic polymer being chosen from:

(1) celluloses modified with groups containing at least one fatty chain, and

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(2) hydroxypropyl guar modified with groups containing at least one fatty chain; and

-applying an oxidizing composition comprising an oxidizing agent to said fibres in alkaline, neutral, or acidic medium to develop color, wherein said oxidizing composition does not contain any of said nonionic amphiphilic polymer.

61. A process according to Claim 60, wherein said keratin fibres are human keratin fibres.

62. A process according to Claim 61, wherein said human keratin fibres are hair.

63. A multi-compartment kit for dyeing keratin fibres comprising a first compartment and a second compartment, wherein said first compartment contains a composition for the oxidation dyeing of keratin fibres comprising:

- at least one oxidation dye precursor, and

- at least one nonionic amphiphilic polymer comprising at least one fatty chain and at least one hydrophilic unit, said at least one nonionic amphiphilic polymer being chosen from:

(1) celluloses modified with groups containing at least one fatty chain, and

(2) hydroxypropyl guar modified with groups containing at least one fatty chain; and


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wherein said second compartment contains an oxidizing composition comprising an oxidizing agent in a medium which is suitable for dyeing.

64. A multi-compartment kit or device according to Claim 63, wherein said keratin fibres are human keratin fibres.

65. A multi-compartment kit or device according to Claim 64, wherein said human keratin fibres are hair.



66. A multi-compartment kit for dyeing keratin fibres comprising a first compartment and a second compartment, wherein said first compartment contains a composition for the oxidation dyeing of keratin fibres comprising:

- at least one oxidation dye precursor, and

- at least one nonionic amphiphilic polymer comprising at least one fatty chain and at least one hydrophilic unit, said at least one nonionic amphiphilic polymer being chosen from

- (1) celluloses modified with groups containing at least one fatty chain, and

- (2) hydroxypropyl guar modified with groups containing at least one fatty chain; and

wherein said second compartment contains an oxidizing composition comprising an oxidizing agent used in a medium which is suitable for dyeing, wherein said oxidizing composition does not contain any of said nonionic amphiphilic polymer.

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67. A ready-to-use composition for the oxidation dyeing of keratin fibres comprising:

-at least one oxidation dye precursor,

-at least one nonionic amphiphilic polymer comprising at least one fatty chain and at least one hydrophilic unit, said at least one nonionic amphiphilic polymer being chosen from:

(1) celluloses modified with groups containing at least one fatty chain, and

(2) hydroxypropyl guar modified with groups containing at least one fatty chain; and

-an oxidizing agent.

68. A process for the oxidation dyeing of keratin fibres comprising the steps of:

-applying to said fibres at least one composition comprising, in a medium which is suitable for dyeing:

- at least one oxidation dye precursor, and

- at least one nonionic amphiphilic polymer comprising at least one fatty chain and at least one hydrophilic unit, said at least one nonionic amphiphilic polymer being chosen from:

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(1) celluloses modified with groups containing at least one fatty chain, and

(2) hydroxypropyl guar modified with groups containing at least one fatty chain; and

-applying an oxidizing composition comprising an oxidizing agent to said fibres in alkaline, neutral, or acidic medium to develop color, wherein said oxidizing composition further comprises at least one nonionic amphiphilic polymer comprising at least one fatty chain and at least one hydrophilic unit, said at least one nonionic amphiphilic polymer being chosen from:

(1) celluloses modified with groups containing at least one fatty chain, and

(2) hydroxypropyl guar modified with groups containing at least one fatty chain.

69. A process according to Claim 68, wherein said keratin fibres are human keratin fibres.

70. A process according to Claim 69, wherein said human keratin fibres are hair.

71. A multi-compartment kit for dyeing keratin fibres comprising a first compartment and a second compartment, wherein said first compartment contains a composition for the oxidation dyeing of keratin fibres comprising:

- at least one oxidation dye precursor, and